

Helpful Hints:

More information is available from (alphabetically):

- Consulting or Registered Foresters.
- Forest industry cooperative programs.
- N.C. Cooperative Extension Service.
- N.C. Division of Forest Resources.
- N.C. Wildlife Resources Commission.
- N.C. Soil & Water Conservation District.
- USDA-NRCS.

Table 11-1 describes seeding options that can provide stabilization for the purposes of water quality protection on forestry sites. These seeding options have been field-tested and were selected because they are:

- Relatively low-cost.
- Readily available at many farm or garden supply centers.
- Easy to apply and handle.
- Visually pleasing.
- Adaptable to a wide range of soil conditions.
- Multi-functional and effective for stabilization while still allowing native plants and grasses to naturally revegetate in subsequent growing seasons.

Creeping Red Fescue is a critical component in these mixes. This grass is fairly tolerant of deer browse and provides non-invasive perennial grass cover, even on sites with active browse. Grains such as oats, wheat or rye provide quick green-up cover for site stabilization.

**Table 11-1: Seeding Options for North Carolina Forestry Operations
Spring Application Mix**

<p>Generic soil additive amounts for all seasons:</p> <p>Fertilizer: 400 pounds per acre with 10-10-10.</p> <p>Lime: 2,000 pounds per acre with ground 'agricultural' lime.</p> <p>Conversions: Pounds (#) of fertilizer that provide 1.0# of nitrogen per 1,000 sq.ft.: 20# of 5-5-5. 20# of 5-10-5. 20# of 5-10-10. 10# of 10-10-10. 12.5# of 8-8-8. 6.25# of 16-0-0.</p>	Creeping Red Fescue	20 pounds / acre
	Red Clover	10 pounds / acre
	Oats	1 to 2 bags / acre
	Summer Application for Temporary Cover	
	German Foxtail or Browntop Millet	25 pounds / acre
	Early Fall Application Mix	
	Creeping Red Fescue	20 pounds / acre
	Red Clover	10 pounds / acre
	Wheat	1 to 2 bags / acre
	Late Fall Application Mix	
	Creeping Red Fescue	20 pounds / acre
	Annual Ryegrass	10 pounds / acre
	Rye	1 to 2 bags / acre
	Winter Application for Temporary Cover	
	Annual Ryegrass	20 pounds / acre

Grain Application Notes:

- Grains are often sold by weight in pounds, or by volume in bushels:
 - Wheat may be sold in 50-pound bags, or 1-bushel bags that weigh about 60 pounds.
 - Rye is usually sold in 1-bushel bags that contain about 55 pounds.
 - 'Certified' seed oats are sold in 2-bushel bags that contain about 65 pounds.
 - Whole feed oats are sold in 50-pound bags. Feed oats are lower cost than certified seed oats, and can be used with the **Spring Application Mix**.
 - Oats are not as cold-tolerant as wheat and rye, and they may die in the winter at high elevations if used in the **Fall Application Mix**.
 - If the grain in the suggested application mix in Table 11-1 is not available, another should be substituted.
- For seeding with grains, a single bag (between 50 to 60 pounds) should be adequate for most sites. However, if slope or soil conditions warrant, increase the amount of grains to two bags (between 100 to 120 pounds).